

ADA 026733

SPECIAL DATA COLLECTION SYSTEM EVENT REPORT
NTS Event "MUENSTER", 03 January 1976

K.J. Hill, M.S. Dawkins, R.R. Baumstark, and M.D. Gillispie
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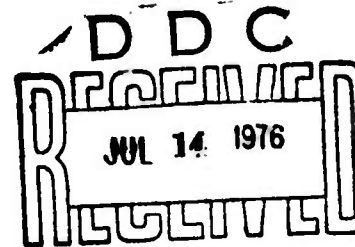
Teledyne Geotech, 314 Montgomery Street, Alexandria, Virginia 22314

April 1976

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22. ABSTRACT (Continue on reverse side if necessary and identify by block number)		

[illegible]

MAcMASTER

N



STATION DESCRIPTION

SITE CODE	LOCATION	SITE COORDINATES DEG MN SECS	ELEVATION METERS	INSTRUMENTATION	
				SHORT-PERIOD	LONG-PERIOD
ALPA	Alaska	65 14 00.0 N 147 44 36.0 W	626	None	31300
CPSO	McMinnville, Tennessee	35 35 41.4 N 085 34 13.5 W	574	6480 V 7515 H	SL210 V SL220 H
FN-WV	Franklin, West Virginia	38 32 58.0 N 079 30 47.0 W	910	KS36000	KS36000
LASA	Billings, Montana	46 41 19.0 N 106 13 20.0 W	744	HS10	7505A V 8700C H
HN-ME	Houlton, Maine	46 09 43.0 N 067 59 09.0 W	213	KS36000	KS36000
NORSAR	Kjeller, Norway	60 49 25.4 N 010 49 56.5 E	379	HS10	7505A V 8700C H
RK-ON	Red Lake, Ontario	50 50 20.0 N 093 40 20.0 W	366	18300	SL210 V SL220 H
WH2YK	White Horse, Yukon	60 41 41.0 N 134 58 02.0 W	853	18300	SL210 V SL220 H

Note: The orientation of the radial instruments at FN-WV is assumed to be $16^{\circ} \pm 5^{\circ}$ based on empirical data (event recordings). Rotation, where performed, is referenced to this azimuth and may be questionable.

HYPOCENTER DETERMINATION

INPUT FOR EVENT 3 JAN 76
19:15:00.0 37.000N 116.000W 0KM.

STA.	ARRIVAL	RESIDUALS		DIST.	AZ.
		CALC	REST		
LAC	19 17 53.1	-0.1	0.0	12.0	35.5
CPSO	19 20 24.0	-0.0	0.4	24.8	84.6
WH2YK	19 20 37.3	0.1	0.4	26.2	339.2
FN-WV	19 21 01.7	-0.1	-0.0	29.0	76.1
HN-ME	19 22 08.9	0.3	-0.0	36.7	60.4
NAC	19 26 31.9	-0.3	-0.8	73.2	24.1

67 HEPFIN TRAVEL TIME TABLES

ORIGIN	LAT.	LONG.	DEPTH (KM)	SDV	IT	STA
19:15:09.2	37.533N	116.171W	48. CALC	0.2	3	6
19:15:01.3	37.290N	116.355W	0. REST	0.4	3	6

CALC						REST					
1	.	1				1	.	1			
0	.	0				0	.	0			
0	0.	2	2			0	0.	2	2		
.
0	0.	0	0	0		0	0.	0	0	0	
0	.	0				0	.	0			
0	.	0				0	.	0			

CHI2 COVERAGE ELLIPSE: 95 PER CENT CONF..LEVEL, SDV= 1.69
MAJOR 67.1KM. MINOF 37.9KM. AZ= 31 AREA= 7993 SQ.KM. REST

DATA SUMMARY

INPUT FOR EVENT 3 JAN 76
19:15:00.0 37.000N 116.000W 0KM.

STA.	PHASE	ARRIVAL		INST	PER	A/T	MAGNITUDE		DIP	DIST
		TIME					ME	MS		
LAO	EP	19 17 53.1		SAB	0.0	0.				
CPSO	EP	19 20 24.0		SPZ	1.0	2425.	6.54			24.8
CPSO	LQ	19 28 41.0		LPT	15.0	9132.				
CPSO	LF	19 30 23.0		LPZ	13.0	13744.		6.65		24.8
WH2YK	EP	19 20 37.3		SPZ	0.9	247.	5.52			26.2
WH2YK	LQ	19 29 45.0		LPT	18.0	2661.				
WH2YK	LR	19 31 45.0		LPZ	17.0	3506.		6.08		26.2
FN-WV	EP	19 21 01.7		SPZ	0.9	160.	5.50			29.0
FN-WV	LQ	19 30 54.0		LPT	17.0	5095.				
FN-WV	LR	19 32 52.0		LPZ	15.0	5803.		6.35		29.0
HN-ME	EP	19 22 08.9		SPZ	0.8	1443.	6.39			36.7
HN-ME	LQ	19 34 55.0		LPT	19.0	3174.				
HN-ME	LP	19 37 54.0		LPZ	15.0	1142.		5.74		36.7
NAC	EP	19 26 31.9		AB	0.9	274.	6.02			73.2

ORIGIN	LAT.	LONG.	DEPTH (KM)	MAG	SDV	STA	LPMAG	LPSDV	LPSTA
19:15:09.2	37.533N	116.171W	48. CALC	5.93	0.51	5	6.08*****		1
19:15:01.3	37.290N	116.355W	0. REST	5.99	0.48	5	6.08*****		1

Average long-period magnitude (M_S) is based on Rayleigh wave observations in the period range of 17 to 23 seconds per cycle.

CPSQ 3 JAN 76

SPZ
1371.94 MU

19:20:24.0



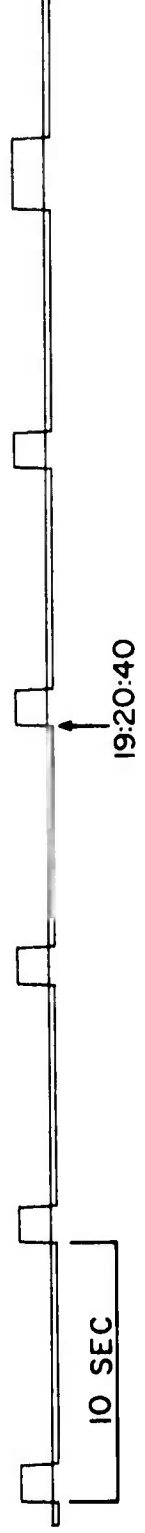
SPR
614.00 MU



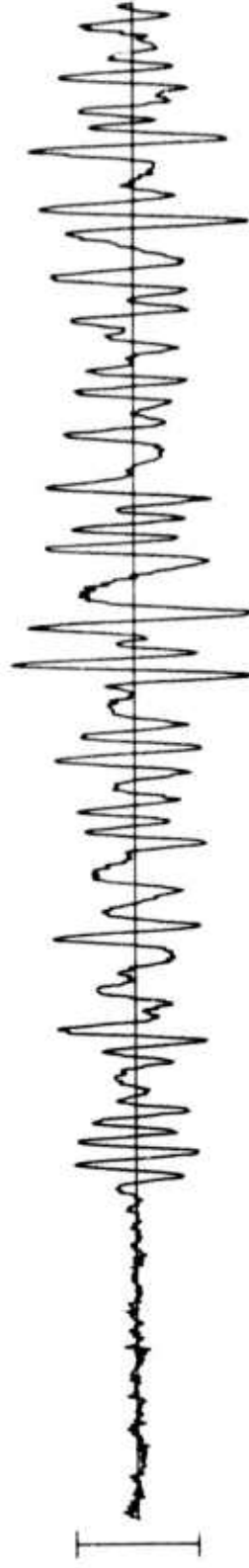
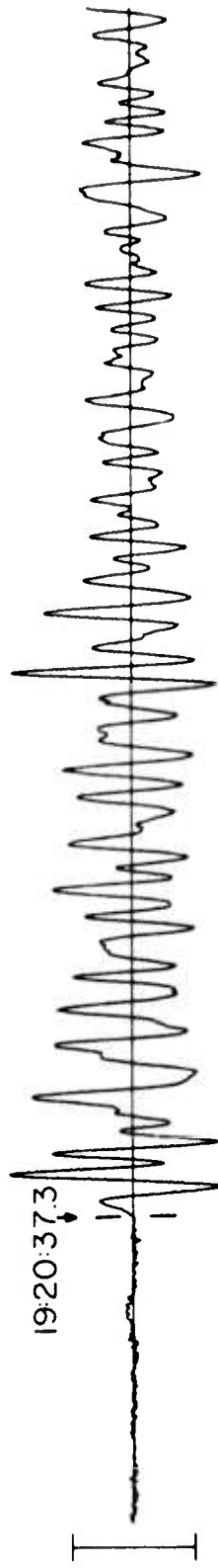
SPT
230.27 MU



TIME

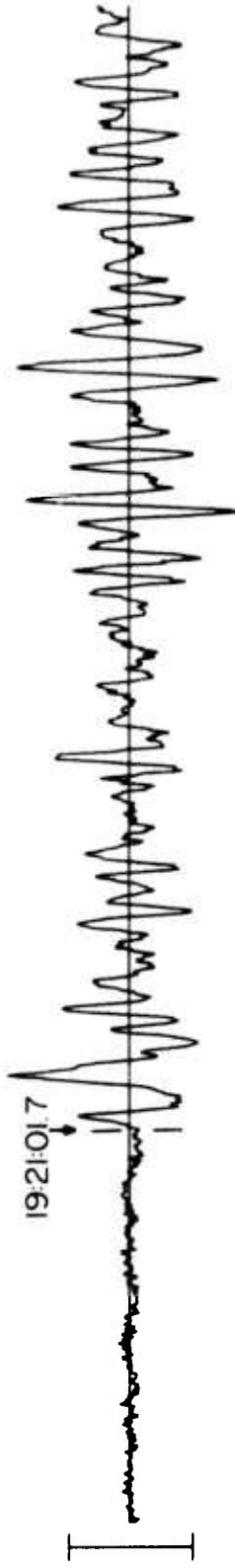


WH2YK 03 JAN 76

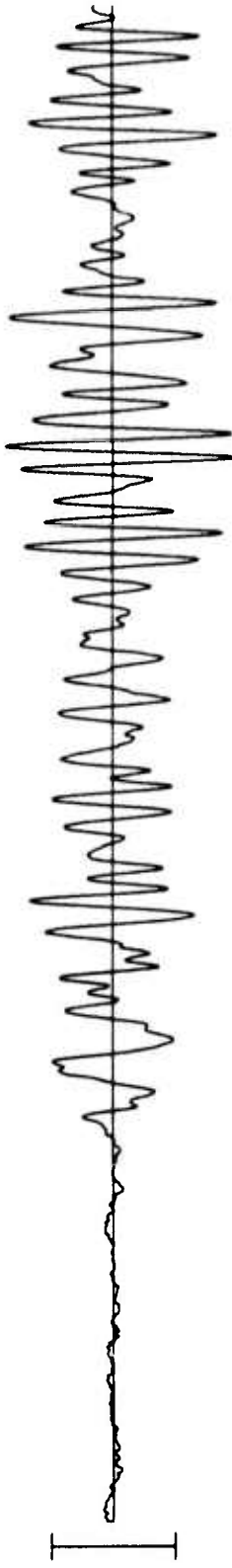


FN-WV 3 JAN 76

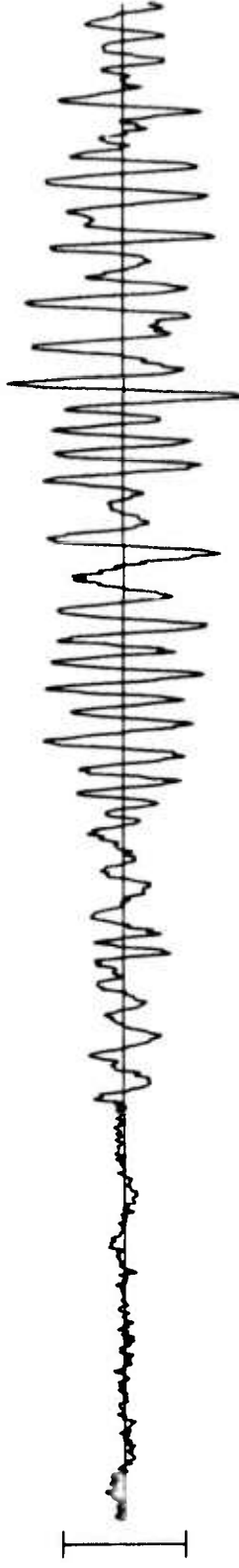
SPZ
167.13 MU



SPR
122.55 MU



SPT
105.81 MU

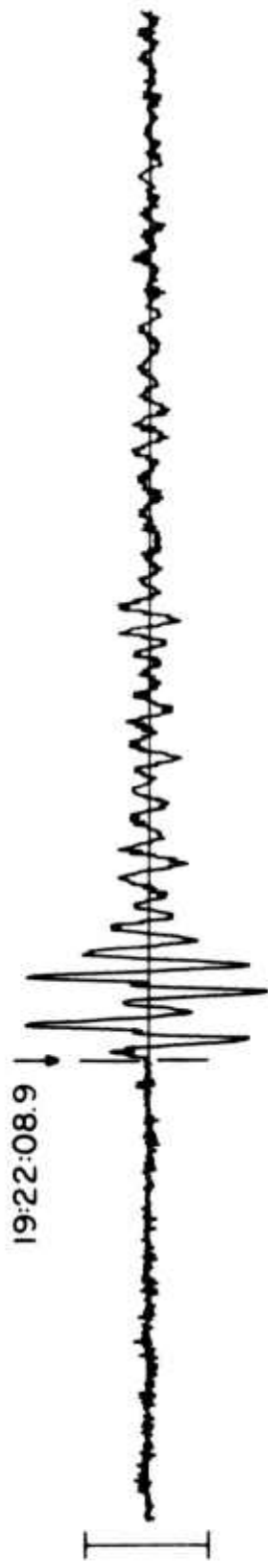


TIME



HN-ME 3 JAN 76

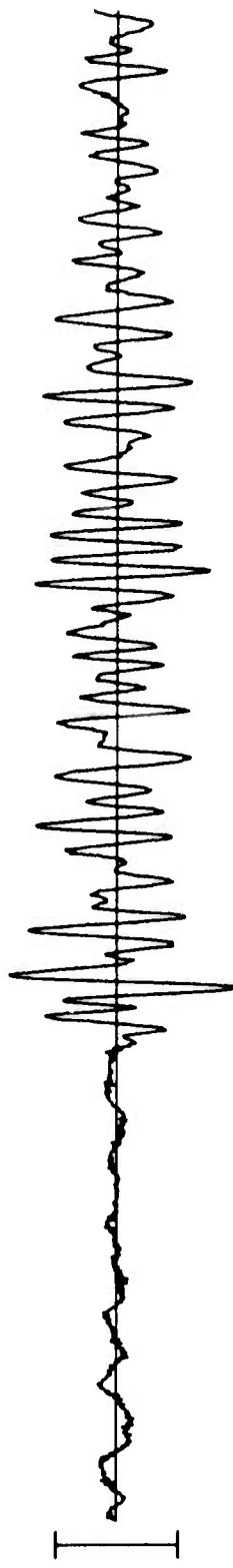
SPZ
1106.30 MU



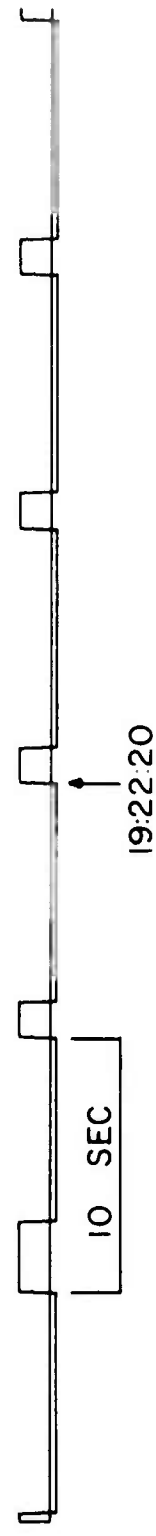
SPR
647.28 MU



SPT
206.38 MU



TIME



CPS0 3 JAN 76

LPZ
51556.69

MU

19 30 23

LPR
35316.25

MU

19 28 41

LPT
42263.00

MU

TIME

2 MIN

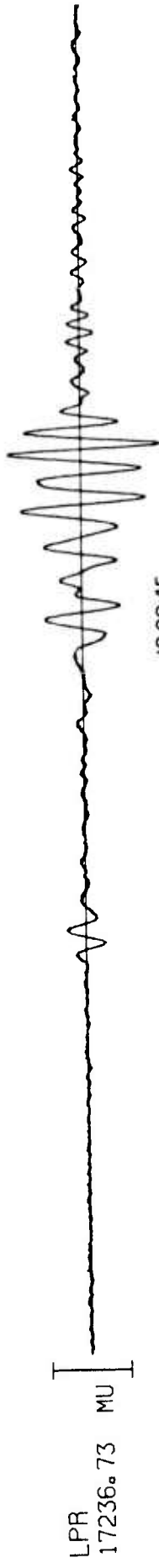
19:30:00

WH2YK 3 JAN 76

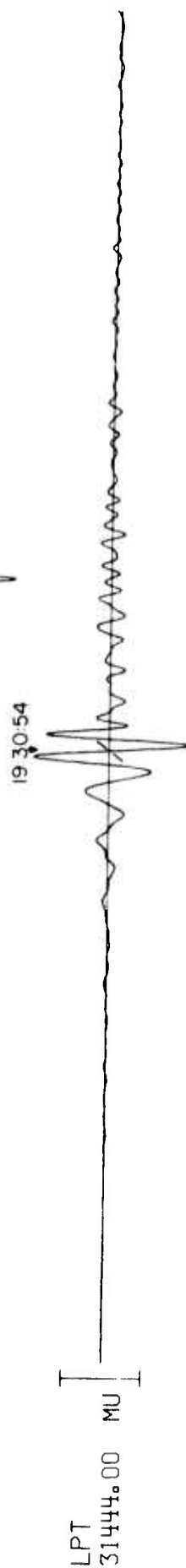
19 31.45



19 29.45



FN-WV 3 JAN 76



HN-ME 3 JAN 76

